



## Mini Sport Limited

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## SMOOTHARide

Dear Customer,

Thank you for choosing our 'Moulton Smootha Ride Suspension Kit'. We are sure that you will find that this kit completely transforms your Mini, making it a much more comfortable car to drive without compromising on handling.

### Your Moulton Smootha-Ride suspension kit includes the following:-

- 2 x New Moulton long front rubber suspension cones
- 2 x New Moulton special rear rubber suspension cones.
- 4 x Mini Sport Smootha-Ride fully adjustable suspension units.
- 2 x Mini Sport long rear bars.
- 1 x Set Mini Sport rear negative camber and tracking brackets.
- 2 x New front shock absorbers.
- 2 x New rear shock absorbers





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# Fitting Instructions for Moulton Smootha Ride

## Front Suspension

- 1 Remove the front rubber suspension cones, alloy trumpets complete with knuckle joints and front shock absorbers, as per normal workshop manual procedures.
- 2 Fit the new Moulton long suspension cones along with the new fully adjustable Mini Sport Smootha-Ride suspension units complete with the new special knuckle joints.
- 3 Fit the new front shock absorbers supplied and check tightness of all fixings
- 4 Check the upper and lower ball joints for free movement and adjust as necessary

## Rear Suspension

- 5 Remove the rear shock absorbers, rear rubber suspension cones and alloy trumpets complete with knuckle joints, as per normal workshop manual procedures.
- 6 Remove the rear radius arm outer brackets from the subframe. Fit the new Mini Sport rear adjustable negative camber and tracking brackets to rear subframe.
- 7 Fit the new special Moulton rear rubber suspension cones along with the new fully adjustable Mini Sport Smootha-Ride suspension units that are complete with the new special knuckle joints and long rear bars.
- 8 Fit the new rear shock absorbers supplied and check the tightness of all fixings

## Setting Up Information:-

- 9 The ride height needs adjusting by means of the Mini Sport Smootha-Ride adjustable suspension units.  
Wheel centre to wheel arch lip:- *Front* 300mm. *Rear* 320mm
- 10 Adjust the front wheel track to:- 1/16" Toe Out.
- 11 Adjust the rear track by means of the Mini Sport adjustable rear tracking brackets to:- 1/16" Toe In.
- 12 Adjust the rear camber by means of the Mini Sport adjustable rear negative camber brackets to:- negative (-) 3/4 degree (°)
- 13 The car needs road testing for approximately 10-15 miles, to enable the suspension to settle down. All the settings must be re-checked and adjusted accordingly.
- 14 Once the car has covered a further 100-200 miles, it may be necessary to make further

